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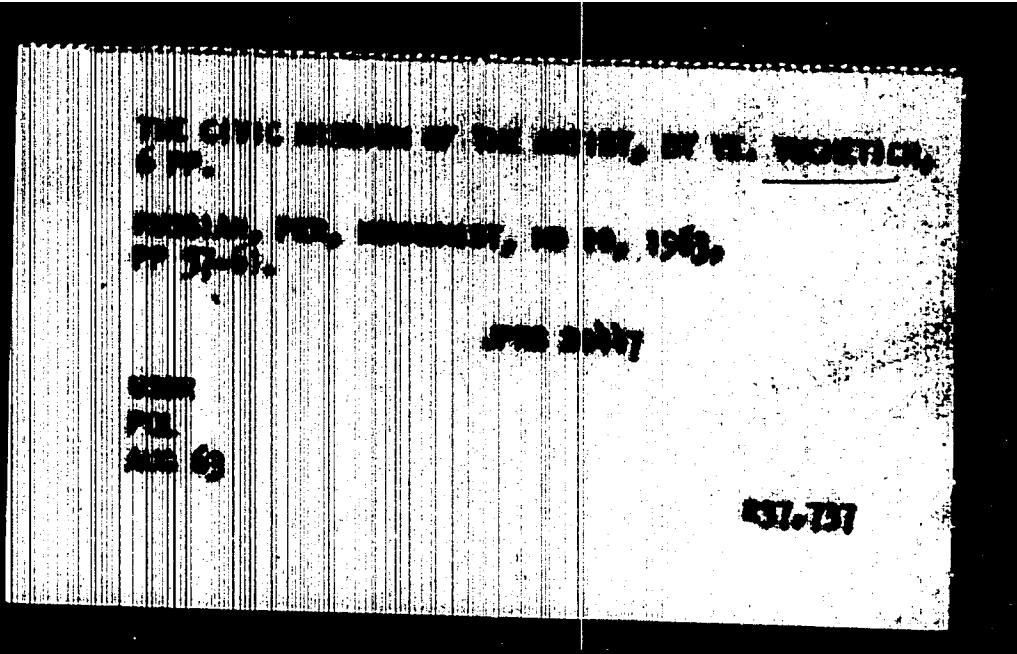
ATB-75L34SP

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APPROVED FOR RELEASE: Thursday, May 23, 2002

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EEur - Bulgaria

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Milan Vuco, 4 pp.

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CERTAIN INTEGRALS OF THE EQUATIONS OF MOTION OF A DYNAMICALLY CHANGING (VARIABLE MASS) PHASE POINT. [1961] [t]p. 1 ref.
Order from SUU \$1.10 61-10666

Trans. of "Priljadnaya Matematika i Mekhanika (USSR)"
1960, v. 24, no. 4, p. 732-733

DESCRIPTORS: *Integrals, *Differential equations,
Particles, Motion, Theory.

The existence of an integral is established for the total energy of a dynamically changing point (a particle of "variable mass") for the case, when the absolute velocity of each particle of the system is collinear and equal to one half of the velocity of the point in phase space. Under this condition, the integral curves of the equations of motion of the dynamically changing point coincide with the geodesic curves in the transferred Riemannian space. (Author)
(Mechanics--Kinematics, TT, v. 6, no. 1)

61-10668

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Sov. Sov. Rada TASS, pub. Izdatelstvo Vopros, Vol LXXXV,
No 2, 1960, pp. 17-18.
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Scd. - Phys.
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A.I.L Ref: 9022.09 (4728)

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FIS TT-65-66138; CFSI TT-65-6622

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The Thermodynamic Properties of Carbon
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Pressures up to 100 Bars, by M. P. Vukalovich,
V. V. Altunin, 5 pp.

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soye issledovaniye Zavleimosti p-v-t Uglekisloty].
[1962] [14p. 11 refs.

Order from OTS or SLA \$1.60 63-13425

Trans. of Teploenergetika (USSR) 1959, v. 6, no. 11,
p. 58-65.

Another trans. is available from LC or SLA m152.40,
ph53.30 as 61-13124, DSIR LLU M. 1796 [1960] 13p.

DESCRIPTORS: *Carbon dioxide, Pressure, Volume,
Temperature, Gas analyzers, Adsorbents, Equations
of state.

For abstract see Technical Translations 5: 274, 1961.

(Physics--Thermodynamics, TT, v. 9, no. 12)

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I. Vukalovich, M. P.
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III. Translations, New York

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A. A.

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700-900° C AND AT PRESSURES TO 1200 KG/CM².
[1962] 5p, 9 refs.

Order from OTS or SLA \$1.10 . 62-14896

Trans. of unidentified article from Moscow Energy
Institute, 1961 (?)

DESCRIPTORS: "Steam, Volume, Determination"
"Resistance thermometers, Thermocouples, "High
pressure research, Equations of state.

(Physics--Thermodynamics, TT, v. 9, no. 1)

62-14896

I. Vukalovich, M. P.
II. Zubarev, V. N.
III. Alexandrov, A. A.

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English Title Unknown, by M. P. Vukalovich.
RUSSIAN, per, Teploenergetika, Vol 3, No 10, 1961,
pp 70-76.

*Dept of Interior - Geological Survey

May 72

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EXPERIMENTAL INVESTIGATION OF THE p-v-t
RELATIONS OF CARBON DIOXIDE (Eksperimental'noye issledovaniye Zavisimosti p-v-t Ugleykislosti)
[1960] 13p. 11 refs. (4 figs. 10 tables omitted)
M 1794
Order from LC or SLA m\$2.40, ph\$3.30 t1-13124

Trans. of Teploenergetika (USSR) 1959 [v. 6] no. 1,
p. 58-65

A new method is described for the experimental investigation of the p-v-t relations of gases, based on the use of a nonbulbous piezometer, and the determination of the quantity of gas by means of a separable container filled with an adsorbent. The results are given of the investigation of the p-v-t relations of carbon dioxide. (Author)

(Physics-Thermodynamics, TT, v. 5, no. 5)

t1-13124

I. Carbon dioxide - Thermo-
dynamic properties
I. Vukalovich, A. P.
II. Altunin, V. V.
III. DSIR E&U M 1794

Office of Technical Services

Title Unknown, by Vukalovich, M. P. et al.
RUSSIAN, per, Teploenergetika, No 8,
1962, pp #1-86.
RAND LT 67-32

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Title Unknown, by M. P. Vukalovich, et al.
RUSSIAN, per, Teploenergetika, Vol VII,
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Investigation of the Thermal Capacity of Steam
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DSIR LLU RIS 13-4

Sci. - Engr

Oct 60

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130 / 7-27

The Thermal Properties of Water and Steam
at a Pressure of Up to 1000 KG/CM² in the
Temperature Range From 300 to 1000°C, by
M. P. Vukalovich, B. V. Dzampov, D. S.
Rasskazov, 4 pp.

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Equation of State, Thermodynamic Functions and
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Sci - Phys
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TABLES OF THERMO-PHYSICAL PROPERTIES OF AMMONIA (Tablitsy Teplofizicheskikh Svoistv Ammialaka). Mar 62 [13]p. 15 refs. RTS 2037. Order from OTS or SLA \$1.60 62-24370

Trans. of Teploenergetika (USSR) 1960 [v. 7] no. 1, p. 63-69.

DESCRIPTORS: *Ammonia, Physical properties, Numerical analysis, Equations of state, Specific heat, Viscosity, Thermodynamics

Experimental and calculated data relating to thermodynamic and thermo-physical properties of NH₃ are treated by numerical and graphical methods. The results of this treatment are presented in the form of detailed tables of the properties of ammonia. (Author) (Physics--Thermodynamics, TT, v. 8, no. 7)

62-24370

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- II. Dzampov, B. V.
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Experimental Determination of the Specific Volumes
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to 1200 kg/cm², by M. P. Vukalovich.
RUSSIAN, per, Teploenergetika, Vol 9, no 1, 1962,
pp 49-51.

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Calculation of Thermodynamic Properties of
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and Pressures of up to 25 kg/cm²,
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RUSSIAN, per, Teploenergetika, Vol 9, No 10,
1962, pp 65-72.
NASA TT F-9862

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Investigations of the Compressibility of
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RUSSIAN, per, Teploenergetika, Vol 10,
No 2, 1963, pp 92-93.
CEGB Digest
C.E. Trans 4728

Sci-Chem
Dec 68

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THE EQUATION OF STATE FOR WATER, BASED
ON EXPERIMENTAL DATA (Uravnie Sostoyaniya Vody,
Osnovannoe na Eksperimental'nykh Danniykh). Aug 61
[14]p. 9 refs. RTS 1939.
Order from OTS or SLA \$1.60

61-27786

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 4.
p. 76-81.

DESCRIPTORS: *Water, Equation of state, Entropy,
Enthalpy, Experimental data.

An equation of state for water is proposed, arrived at
from experimental data for specific volumes. Calcula-
tions are given for specific volumes, entropy, en-
thalpy and thermal capacity c_p of water for rounded tem-
perature and pressure values. Parameters are also
determined for the inversion curve. (Author)
(Physics -- Thermodynamics, TT, v. 6, no. 9)

61-27786

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- II. Zubarev, V. N.
- III. RTS-1939
- IV. Department of Scientific and
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(Gr. Brit.)

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Contribution to the Study of Pediculoides
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by Pavle Vukasovic, 35 pp.
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Arachnoidea), 1947
CPSTI TT 68-50104

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The Anomalous Magnetic Field of Macedonia, and
Its Connection with Geological Features of the
Country, by Slobodan Vuksanovic.

PUBLIŠT. PER. Trudovi na Geologijot Zavod na
Socialistička Republika Makedonija, No 10, 1963.
pp 185, 216.
ACIG NO-1375

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Jan 69

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English Title Unknown, by P. Vukasovic.
SERBO-CROATIAN, per, Acta Medica Jugoslavica,
Vol 1, No 1-2, 1947, pp 76-128.
*CFSTI TT 68-50104

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Vukasovic, P.

*THE EFFECT OF DDT AND HCC (GAMMEXAN) ON
SEED GERMINATION AND ON THE GROWTH OF
YOUNG PLANTS (O Uticaju DDT i HCC (Gammeksana)
na Klijavci Semina i Porast Mladih Biljaka) tr. by
Dusan Glumac and Elizabeth Tornquier. 1963, 14p.
PL-480 Agr.

Order from OTS \$0.50

61-11209

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku]
(Yugoslavia) 1951, v. 4, no. 6, p. [76-86]

DESCRIPTORS: *Insecticides, *DDT, *Hexachlorocyclohexanes, Seeds, Growth, *Plants (Botany), Growth substances, Toxicity

Of the two insecticides applied, DDT is less toxic to plants than HCC, which is equally true for animals. While the concentration of 1 gram of pure DDT per square decimeter or 25 per mill had no effect on the (Biological) Sciences, TT, v. 9, no. 11) (over)

61-11209

- I. Title: Lindane
- II. Vukasovic, P.
- III. PL-480 Agr (61-11209)
- IV. National Science Foundation,
Washington, D. C.

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TENDENCIES AND TRENDS IN THE BUSINESS
ORGANIZATION OF YUGOSLAV BANKS, BY NOVICA M.
VUCIC, 5 PP.

CROATIAN, PER, FINANSIJE, NO 6-7, 1962,
PP 333-336.

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THE MENTALITY OF THE THREE REBEL YOUTH, BY
TULIYAN VUKOV, 13 pp.
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JPM 179010

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Vojtěch, M. Z. Janda, V. Sláma. 17 pp. ORIGINALE
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pp 218-223.

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Experimental Investigation of the Specific
Volumes of Carbon Dioxide at Temperatures
from 200-750°C and Pressures Up to 600 kg/cm²,
by M. P. Vukalovich.
RUSSIAN, per, Teploenergetika, Vol 9, No 5,
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The Equation of State for Water, Based on Experimental
Data, by M. P. Vukalovich, V. N. Zubare, 6 pp.

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Report on ~~Vujanovic~~ Speech at Plenum of Central
Trade Union Council,

YUGOSLAV, ~~ep~~, Borba, Jan 31, 1960

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Cooperation With the Socialist and Progressive Movements of the Latin American Countries, by Vulmanovic.

SERBIAN, np, Belgrade, 10 Nov 1959.

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Speech at Trade Union Plenum, by ~~Vukmanovic~~.

SERBIAN, np, Belgrade, 10 Nov 1959.

FBIID Daily Review

EE - Yugoslavia

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Production, Income Distribution and workers'
Management in Farming Enterprises, by Svetozar
Vuksanovic, 14 pp.
SERBIAN, per, Socijalizam, No 10, Oct 1964, pp 1239-
1254.
JPRS 27,897

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The Effect of the System of Distribution and
Planning on Economic Movements and Production
Development, by Svetozar Vukmanovic, 41 pp.

CROATIAN, per, Nasa Stvarnost, No 6, 1962,
pp 631-674.

JPRB 15841

Editor - Yugoslavia
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Twenty Years at the Head of the Party (On the
Anniversary of the Advent of Comrade Tito as
Secretary-General of the Central Committee of the
Yugoslav Communist Party), by Cvjetko Vukasovic-
Tepic, 6 pp. (Sel ESRP Pol Tras, 12)

SRBIJA, Belgrade, Komunist, No 29, Yr XVI, 1957
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Vukobratovic, 6 pp.

CROATIAN, per, Tehnika, Vol XVI no 4 1961.
pp 749-751.

JPRS 9404

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EEur - Yugoslavia
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On the Edge of Life, by S. Kovalev,
V. Vukolov, 7 pp.

POLISM, per, Skrydla Polska, No 4, 1963,
pp 12, 13. 9669396

PTD-TT-63-227

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V. Vukolov, 7 pp.

POLISH, per, Skrzydla Polska, No 4, 1963,
pp 12, 13. 9669396

FTD-TT-63-227

SBBur-Czech
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New Outstanding Flight by Soviet Pilots, by V. Yukolov,
1 p. UNCL

RUSSIAN, np, krasnaja Zvezda, No 228, 27 Sept 1959, p +.

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Sci - Space Res
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SOVEREIGNS OF ROCKET THUNDER, BY V. YUROV, 7 PP.

RUSSIAN, NP, KRAYNAYA ZVEZDA, 21 APR 1962, P 3.

JPRS 153-0

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OCT 62

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A Plane is Refueled on a Night Flight, by V. A.
Vukolov, 3 pp.

RUSSIAN, per, Vest Flot, No 3, 1958, pp 40-42
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(DC-4600/3)

Electrical Smelting of Corundum From Agglomerated
Bauxite, by Ye. A. Vukolova, et al, 3 pp.

RUSSIAN, par, Prom Energetika, No 10, 1960,
pp 16-18.

JPRS 6718

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Feb 6).

Synthesis of Azo Dyes Based on 4,4'-Diaminodi-phenylurea, by D. G. Mitepov, Z. G. Vukolova,
2 pp.

KUSSIIN, pur, Zhur Obshch Khim, Vol 27, No 1,
1957, pp 200-201.

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Jun 58

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Synthesis of p-Nitro-o-anisidine via Diarylurea and
Its Dinitro Derivatives, by D. F. Kutepov, Z. G.
Vukolova, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 4,
1954, pp 698-701. CIA D 151347

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Analyses of torrential streams in the Velika Morava river basin, by N. Vukotić, 8 pp.

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ORS 62-19470/2
Pl.-4,80

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June 63

Vukov, K.
EXAMINATION OF THE ROLE OF PECTIN AND
DEXTRAN IN THE FILTRATION OF SUGAR FACTORY
JUICES. [1965] [19p].
Order from SLA \$1.60

63-16376

Trans. of [Acta Chimica (Hungary) 1957, v. 13,
p. 71-81].

DESCRIPTORS: *Pectins, *Dextran, *Carbohydrates,
*Liquid filters, Liquids, Viscosity, Adsorption.

The filterability of model solutions with a given pre-
cipitate and filter cloth, under constant conditions (cake
thickness of constant height, air pressure 1 atm.,
100° C.) was examined. It was shown that dissolved
pectin substances influence filtration rate only slightly
(by increasing the viscosity of the solution); filterability,
however, decreases considerably when pectin substances
are present in the precipitate. Dextrane reduces filter-
(over)

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None of Technical Services